SHARP®

DVD Video Player
MODEL
DV-SV80S(B)

OPERATION MANUAL

Please read this Operation Manual carefully before using your DVD Video Player.

The region number for this DVD player is 2.

NTSC/PAL

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SAFETY INFORMATION

This apparatus complies with the requirements of Council Directives 89/336/EEC and 73/23/EEC as amended by Council Directive 93/68/EEC.

Dieses Gerät entspricht den Anforderungen der EG-Richtlinien 89/336/EWG und 73/23/EWG mit Änderung 93/68/EWG.

Ce matériel répond aux exigences contenues dans les directives 89/336/CEE et 73/23/CEE modifiées par la directive 93/68/CEE.

Dit apparaat voldoet aan de eisen van de richtlijnen 89/336/EEG en 73/23/EEG, gewijzigd door 93/68/EEG.

Dette udstyr overholder kravene i direktiv nr. 89/336/EEC og 73/23/EEC med tillæg nr. 93/68/EEC.

Quest' apparecchio è conforme ai requisiti delle direttive 89/336/EEC e 73/23/EEC, come emendata dalla direttiva 93/68/EEC.

Αυτή η συσκευή συμμορφώνεται με τις απαιτήσεις των οδηγιών του Συμβουλίου 89/336/ΕΟΚ και 73/23/ΕΟΚ όπως τροποποιήθηκαν από την οδηγία του Συμβουλίου 93/68/ΕΟΚ.

Este equipamento obedece às exigências das directivas 89/336/CEE e 73/23/CEE, na sua versão corrigida pela directiva 93/68/CEE.

Este aparato satisface las exigencias de las Directivas 89/336/CEE y 73/23/CEE, modificadas por medio de la 93/68/CEE.

Denna utrustning uppfyller kraven enligt riktlinjerna 89/336/EEC och 73/23/EEC så som kompletteras av 93/68/EEC.

Dette produktet oppfyller betingelsene i direktivene 89/336/EEC og 73/23/EEC i endringen 93/68/EEC.

Tämä laite täyttää direktiivien 89/336/EEC ja 73/23/EEC vaatimukset, joita on muutettu direktiivillä 93/68/EEC.

Bu cihaz Konsey Direktifi 93/68/EEC tarafından düzeltilen 89/336/EEC ve 73/23/EEC Konsey Direktiflerinin gerekliliklerine uygundur.

Tento přístroj je v souladu s požadavky směrnic rady 89/336/EEC a 73/23/EEC, tak jak byly upraveny směrnicí rady 93/68/EEC.

See seade on vastavuses Nõukogu Direktiivis nr 89/336/EEC ja 73/23/EEC esitatud nõuetega, vastavalt Nõukogu Direktiivis nr 93/68/EEC esitatud parandustele

Ez a készülék megfelel a Tanács által kiadott, 89/336/EGK és 73/23/EGK Irányelveknek és az utóbbit módosító 93/68/EGK Irányelvnek

Šī ierīce atbilst tehniskam prasībam pec 89/336/EEC un 73/23/EEC direktīvam papildinats ar direktīvu 93/68/EEC.

Šis prietaisas atitinka ES Tarybos direktyvu 89/336/EEC ir 73/23/EEC patikslintos direktyvos 93/68/EEC reikalavimus.

To urządzenie spełnia wymagania dyrektyw 89/336/EEC i 73/23/EEC wraz z poprawkami dyrektywy 93/68/EEC.

Tento prístroj je v súlade s požiadavkami smerníc rady 89/336/EEC a 73/23/EEC tak ako boli upravené smernicou rady 93/68/EEC.

Ta aparat je v skladu z zahtevami Direktiv Sveta 89/336/EEC in 73/23/EEC kot je navedeno v dopolnilu k Direktivi Sveta 93/68/EEC.

Note:
This Player can be used only where the power supply is AC 220V-240V, 50Hz. It cannot be used elsewhere.

CAUTION:

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

AS THE LASER BEAM USED IN THIS PLAYER IS HARMFUL TO THE EYES, DO NOT ATTEMPT TO DISASSEMBLE THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

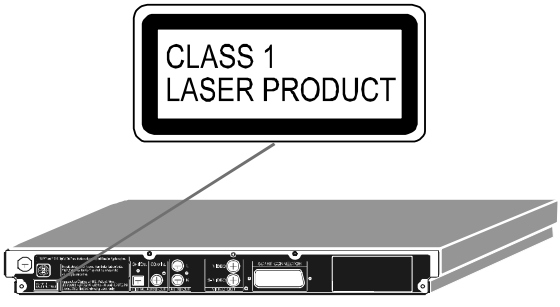
Laser Diode Properties
Material: GaAs
Wave length: DVD: 650 nm
CD: 740 nm
Emission Duration: Continuous
Laser output: Max. 0.5 mW

Power Cord Protection

To avoid any malfunctions of the Player, and to protect against electric shock, fire or personal injury, please observe the following.

- Hold the plug firmly when connecting or disconnecting the AC power cord.
- Keep the AC power cord away from heating appliances.
- Never put any heavy object on the AC power cord.
- Do not attempt to repair or reconstruct the AC power cord in any way.

- This Player is classified as a CLASS 1 LASER product.
- The CLASS 1 LASER PRODUCT label is located on the rear cover.
- This product contains a low power laser device. To ensure continued safety do not remove any cover or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.



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SAFETY INFORMATION

Location and Handling

- Do not cover or place the player in enclosed spaces to prevent excessive temperature build up.
- Do not place the Player in direct sunlight, or near heat sources.
- Keep the Player away from strong magnetic objects.
- Do not place any object containing water or other liquids on the Player.In the event that liquid should enter the cabinet, unplug the Player immediately and contact the retailer or service centre approved by SHARP immediately.
- Do not remove the Player cabinet.Touching parts inside the cabinet could result in electric shock and/ or damage to the Player.For service and adjustment inside the cabinet, call a qualified dealer or service centre approved by SHARP.

Non use Periods

When the Player is not being used, switch the Player to the Standby mode.
When left unused for a long period of time, the Player should be unplugged from the household AC outlet.

No Fingers or Other Objects Inside

Do not put any foreign object on the disc tray.

Stacking

Place the Player in a horizontal position, and do not place anything heavy on it.

Condensation

Moisture may form on the pickup lens in the following conditions:

- immediately after a heater has been turned on.
- in a steamy or very humid room.
- when the Player is suddenly moved from a cold environment to a warm one.

If moisture forms inside this Player, it may not operate properly.
In this case, turn on the power and wait about one hour for the moisture to evaporate.

Cleaning

Unplug your Player before cleaning.Use a damp cloth for cleaning.Do not use cleaning fluids or aerosols which could enter the Player and cause damage, fire, or electrical shock. These substances may also deteriorate the finish of your Player.

If there is Noise Interference on the TV While a Broadcast is being Received

Depending on the reception condition of the TV, interference may appear on the TV monitor while you watch a TV broadcast and the Player is left on.This is not a malfunction of the Player or the TV.To watch a TV broadcast, turn off the Player.

Service

Do not attempt to service this Player yourself.Please refer any service to the nearest service centre approved by SHARP.

Copyright

Audio-visual material may consist of copyrighted works wich must not be recorded without the authority of the owner of the copyright. Please refer to relevant laws in your country.

Copy Protection

This Player supports Macrovision copy protection.On DVDs that include a copy protection code, if the contents of the DVD are copied using a VCR, the copy protection code prevents the videotape copy from playing normally.

Apparatus Claims of U.S.Patent Nos.4,631,603, 4,577,216, 4,819,098 and 4,907,093 licensed for limited viewing uses only.

This product incorporates copyright protection technology that is protected by method claims of certain U.S.patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation.Reverse engineering or disassembly is prohibited.

Recommended Measures for Optimum Picture Excellence

The Player is a precision device that is constructed using extremely accurate technology.
Soiling or friction affecting the pickup lens or disc drive can impair the image quality. At the worst, neither video nor audio will be played back. Contact your authorized Sharp supplier for details.

Do not attempt to clean the pickup lens yourself.

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ABOUT THIS MANUAL

Instructions in this manual describe the controls of the player. You can also use the remote control buttons with the same name as those on the player.

Dear Customers

We would like to thank you for purchasing this DVD/VCD/S-VCD/CD-R/CD-RW/MP3/JPEG/Audio CD player.

We strongly recommend that you carefully study the operating instructions before attempting to operate the unit and that you note the listed safety precautions.

GENERAL PROPERTIES

1) DVD/VCD/S-VCD/CD-R/CD-RW/MP3/JPEG/Audio CD playback

2) NTSC/PAL playback (according to disc content)

3) User-friendly multilanguage OSD menu control

4) Vacuum Fluorescent Display (VFD)

5) Dolby Digital, DTS, LPCM audio via coaxial and optical digital audio outputs.

6) Multiple Aspect Ratio support (16:9 Widescreen, 4:3 Letterbox, 4:3 PAN & SCAN)

7) Multi-Audio (up to 8) support (According to disc content)

8) Multi-Subtitle (up to 32) support (According to disc content)

9) Multi-Angle (up to 9) support (According to disc content)

10) 8 level parental control

11) Fast forward and rewind in 5 different speeds. (2x, 4x, 8x, 16x, 32x)

12) Smooth and seamless playback in 2x speed.

13) Slow motion playback in 4 different speeds. (1/2, 1/4, 1/8, 1/16 forward and backward)

14) Frame by frame forward and backward playback

15) Time Search

16) Repeat

17) A - B repeat

18) Program function for Audio CD/MP3

19) Scart Socket

20) Video output

21) S-Video output

22) Coaxial & Optical Digital Audio outputs

23) Different play modes for Audio CD and MP3(Track/Scan/All/Random)

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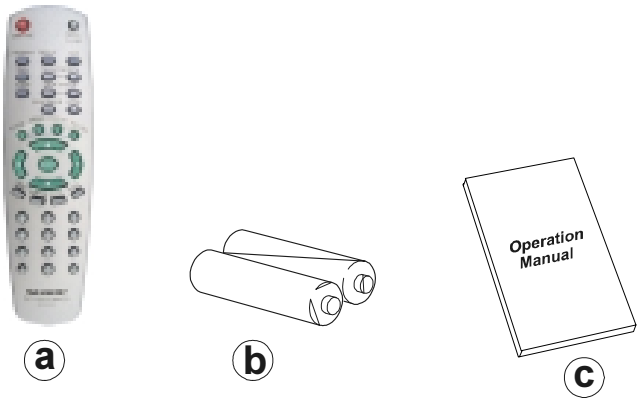
SUPPLIED ACCESSORIES

In the packaging material you will find the following:



(a) Remote control

(b) Two R03 (AAA) batteries for remote control.

(c) Operation Manual

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DISC TYPES COMPATIBLE WITH THIS UNIT

This player can play the following discs.

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD	Audio + Video	12 cm	Single - sided; 240 min. Double - sided; 480 min.	• DVD contains excellent sound and video due to Dolby Digital and MPEG-2 System. • Various screen and audio functions can be easily selected trough the on screen menu.
		8 cm	Single - sided; 80 min. Double - sided; 160 min.	
VIDEO-CD	Audio + Video	12 cm	74 min.	• Video with CD sound, VHS quality & MPEG-1 compression technology.
		8 cm	20 min.	
AUDIO-CD	Audio	12 cm	74 min.	• An LP is recorded as an analog signal with more distortion. CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 cm	20 min.	
MP3-CD	Audio (xxxx.mp3)	12 cm	It depends on MP3 quality.	• MP3 is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
PICTURE-CD	Video (still picture)	12 cm	It depends on JPEG quality.	• JPEG is recorded as a Digital Signal with better picture quality over time.

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The following discs cannot be played back on this DVD player.

- **DVD with region codes other than 2 or ALL.**
- **DVD-ROM**
- **DVD-RAM (Never play back, otherwise malfunction may result.)**
- **DVD-R/RW**
- **CD-ROM**
- **CDV (Only plays back the audio part.)**
- **CD-G (Only plays back the sound.)**
- **CD-I (Never play back, otherwise malfunction may result.)**
- **Super Audio CD (Only the sound recorded on the normal CD layer can be delivered. The sound recorded on the high density Super Audio CD layer cannot be delivered.)**
- **Photo CD (Never play back, otherwise malfunction may result.)**

Any other discs without compatibility indications.

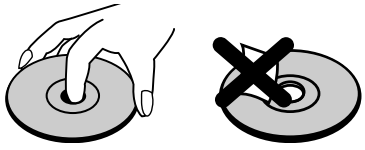
Note:

When an incompatible disc is inserted, a message appears in the VFD and the On Screen Display (NO DISC, UNKNOWN DISC) indicating that the Disc is not playable.

Notes on Discs:

On handling discs

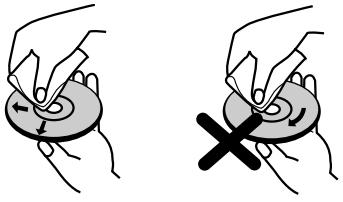
- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.
- If the disc is contaminated with any substance like glue remove before using it.



- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature can rise quickly and damage the disc.
- After playing, store the disc in its case.

On cleaning

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



- Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

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SAFETY PRECAUTIONS

Power Source:

The unit should be operated only from a 220-240V 50 Hz outlet. Please do not open the cover by yourself. There is high voltage in the set, which will endanger your life. Please contact local service agent for help and advice. Repairs to be carried out by a qualified technician only.

• The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.

• If the player will not be used for a long time, be sure to disconnect it from the wall outlet.

Power Cord:

Do not place the unit, a piece of furniture, etc., on the power cord (mains lead), and do not pinch the cord. Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Never make a knot in the cord or tie it with other cords. The power cords should be routed in such a way that they are not likely to be stepped on. A damaged power cord can cause fire and electrical shock. Check the power cord once in a while. If you find it damaged, ask closest service agent for help. When the AC power cord needs to be changed, it should be done at a qualified service shop only.

Choice Of Location:

• Please do not place the set in a place subject to direct sun light, excessive dust or mechanical shock or in a location near heat sources.

• The set should be placed on a solid and safe base. Do not place the player on a soft surface such as a rug that might block the ventilation holes on the bottom.

• A location should not be selected such as a room with high humidity, as the condensation, arising in the kitchen for example, may cause malfunction or damage the set.

• Heating or other thermal radiation under the set also may cause malfunction or damage the set.

• The hot air, which arises during the operation, should be ventilated with sufficient air circulation. Please do not put the set into closed areas and do not cover it.

• Please avoid contact of the set with water or humidity. Do not put it into operation near bath or swimming pools.

• Make sure enough air circulation is provided around the product. Place the player in a location with adequate ventilation to prevent heat build-up in the player.

• Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.

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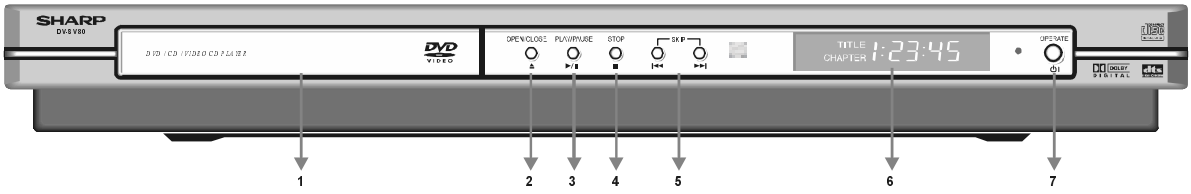
FRONT PANEL FUNCTIONS



1. Disc Tray

Place a disc on the tray.

2. OPEN/CLOSE button

Opens or closes the disc tray.

3. PLAY/PAUSE button

Plays/pauses the disc. For any DVD title that has a root menu with still picture, this button functions as “SELECT” button (selects highlighted item) in the root menu. Otherwise the disc will prohibit this function on the root menu, and ‘ ’ symbol will appear on screen.

4. STOP button

Stops playing the disc.

5. SKIP buttons

Press to go back to the preceding chapter/track or to go to the next chapter/track.

6. Front Panel Display (VFD)

Indicates the playing time, title, chapter/track, etc.

7. OPERATE button

Turns the unit to OPERATE or STANDBY mode.

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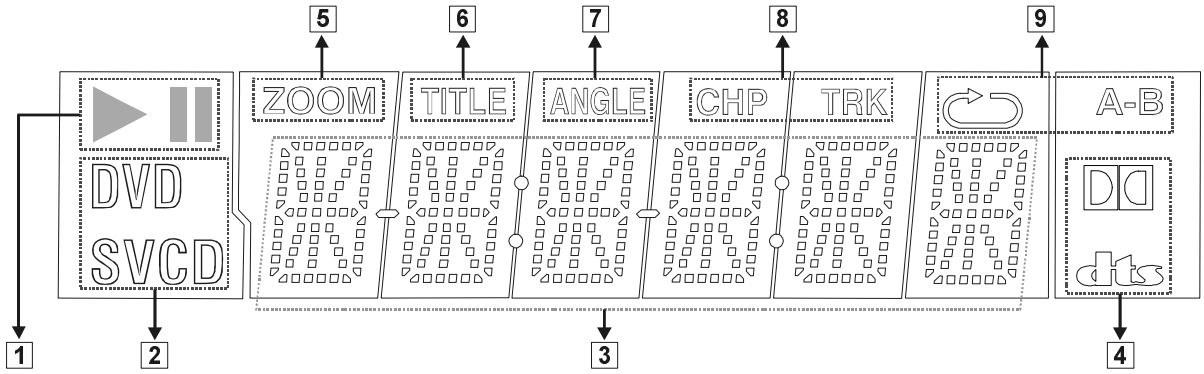
FRONT PANEL DISPLAY (VFD)



1. Play/Pause
2. Current Disc
3. Time or Title / Chapter / Track number
4. Dolby Digital / DTS
5. Zoom
6. Title Number
7. Angle
8. Chapter / Track Number
9. Repeat

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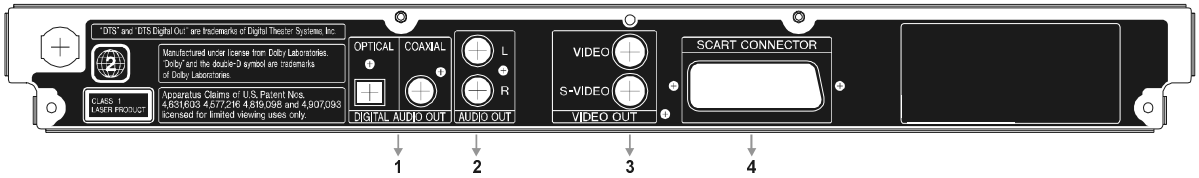
REAR PANEL CONNECTIONS



1. DIGITAL OUT connectors

OPTICAL :

This connection is optional. Connects to an audio component using the optical digital connection cord.

COAXIAL :

Connects to an audio component using the coaxial digital connection cord.

2. AUDIO connectors

Connects to the AV amplifier or audio input connector on the TV by using 2 cords (Left, Right).

3. VIDEO OUT connectors

S VIDEO OUT :

Connects to the S video input connector on the TV.

VIDEO :

Connects to the video input connectors on the TV.

4. SCART connector

Connects to the scart-input connector on the TV.

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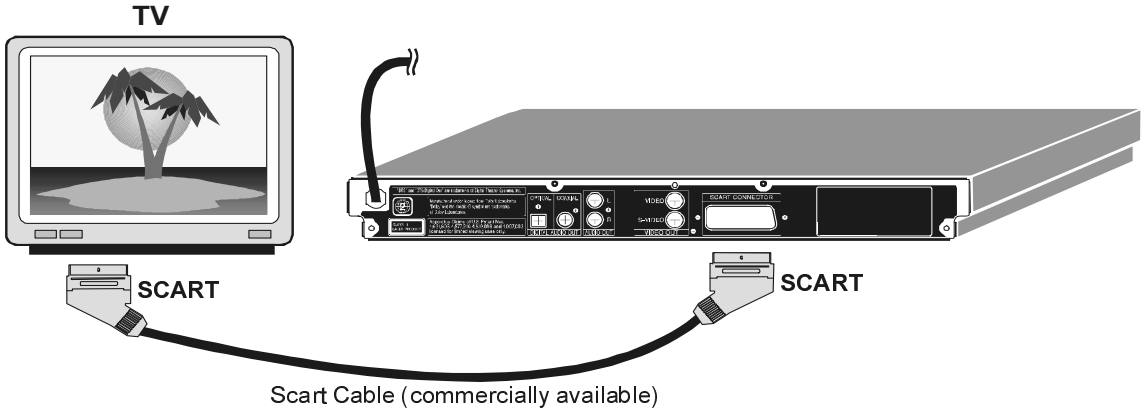
CONNECTION OF YOUR DVD PLAYER WITH TV

Be sure to turn off the power of each component before making the connections.

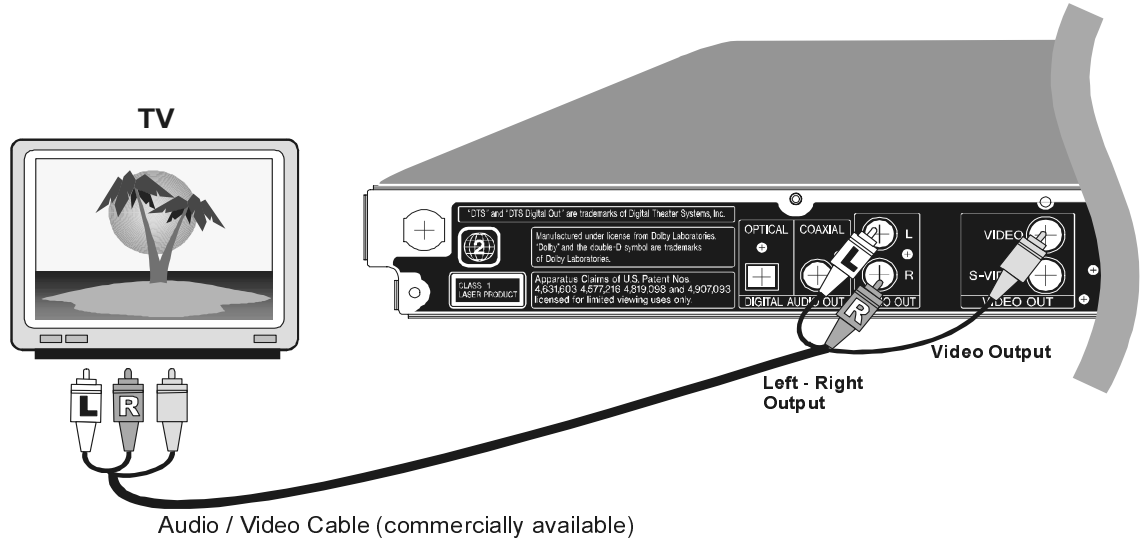
Scart socket:

RGB signal via SCART cable gives you the best picture performance. If your DVD player will not be connected to a hi-fi set or A/V amplifier to hear better sound, scart is enough for both audio & video connections.



Video & Audio Output sockets:

Video (yellow) & audio (Red: right, White: left) output sockets can be used to connect the DVD player to your TV set via cables. To make this connection, your TV set must have Video & audio input connectors. This type of connection is alternative to scart connection. Picture quality is not as good as SCART RGB connection but audio performance is the same.



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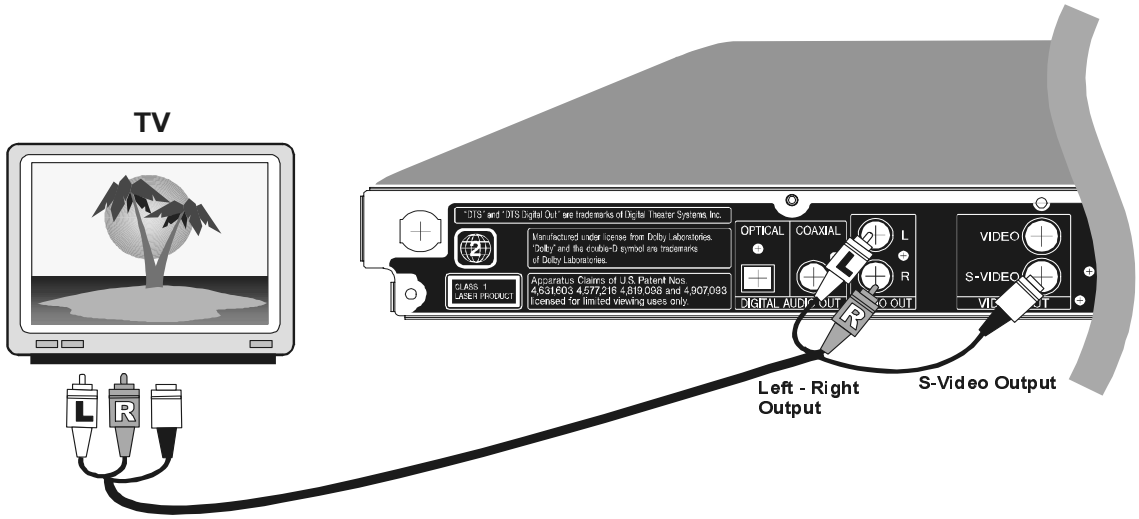
S-Video Output sockets:

S-Video Output socket can be used to have a better picture quality than the video output. Your TV set must have S-video input connector for this type of connection. This socket is used for only video connection. For audio, red & white output sockets must be used. S-video picture quality is not as good as SCART RGB connection.



Audio / S-Video Cable (commercially available)

Putting into operation:

After making the necessary connections stated above, plug the power cord to the mains socket. Unit will be in STANDBY mode. Press OPERATE to turn on the unit. Open the disc tray with open/close button and insert a playable disc (DVD/VCD/ S-VCD/CD-R/CD-RW/MP3/JPEG). Press OPEN/CLOSE button again to close the disc tray and to start operating the player. Player will start playing the disc automatically.

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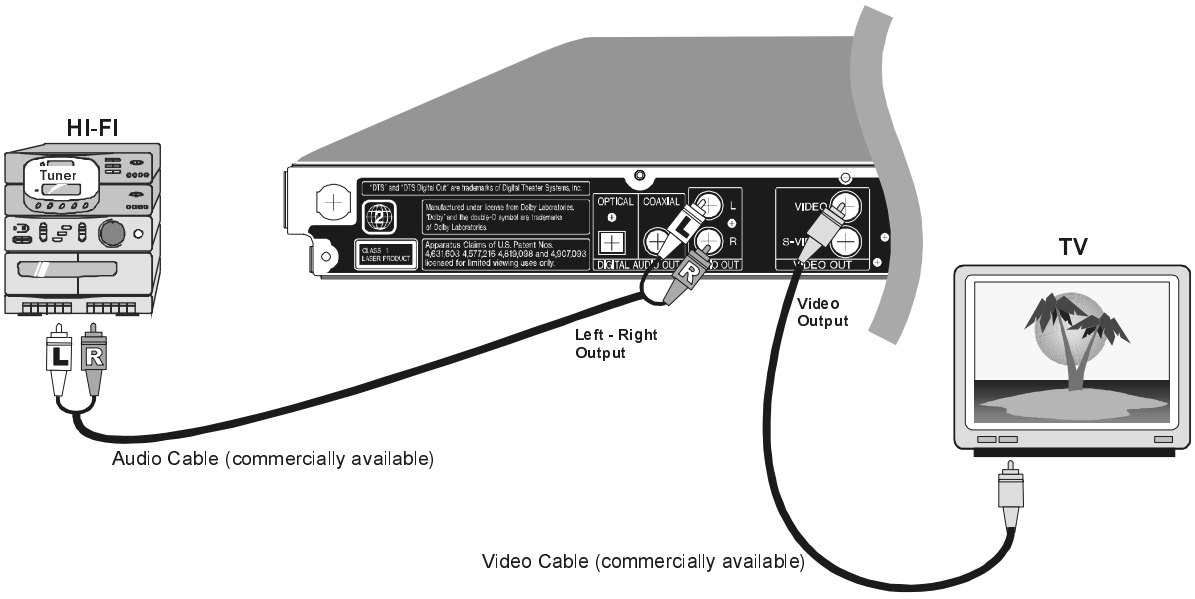
CONNECTION OF YOUR DVD PLAYER WITH AV AMPLIFIER

Be sure to turn off the power of each component before making the connections.

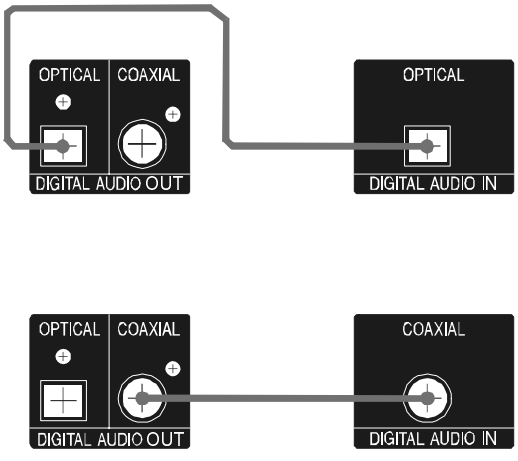
Analog Audio Output Sockets:

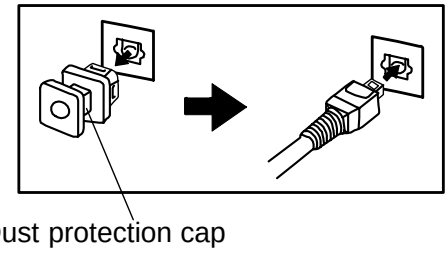
To get better sound quality, the unit can be connected to an amplifier via analog audio left/right outputs.



Digital Audio Output Sockets:

For the best sound, the unit can be connected via optical or coaxial digital audio outputs to an AV amplifier with a built-in Dolby Digital or DTS decoder. By using 6 speakers, user can enjoy the 5.1 channel surround sound.





NOTE:

When this unit is connected to a separate Decoder Box or Amplifier through the DIGITAL AUDIO OUT connector, you may sometimes hear a short noise when selecting the sound system in the DVD Menu. This is not a malfunction.

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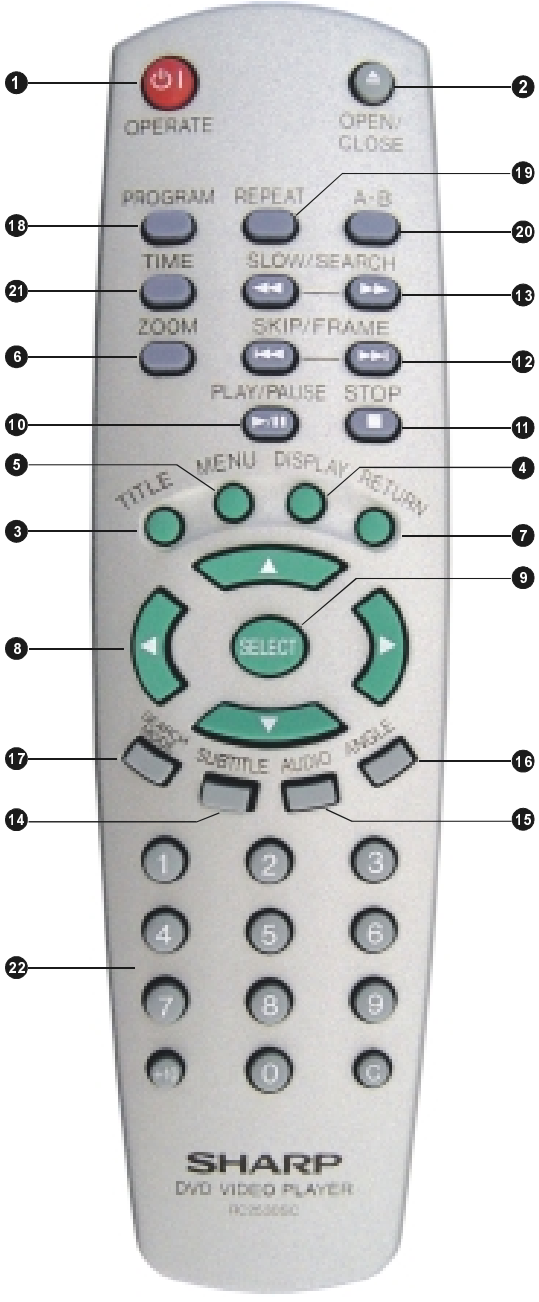
FITTING BATTERIES IN YOUR REMOTE CONTROL

First open the battery cover under the remote control. Fit both batteries 1.5Volt (R03/AAA) referring to the imprinted symbols (+/-) in the battery case and close the battery cover again.

While using the remote control, direct it towards the front of the DVD player. If the remote control does not work or the chosen function can not be selected, the batteries are most probably exhausted and they should be replaced as soon as possible. Please use only the leak proof batteries. If you will not be using your remote control for a long time, it is recommended to take out the batteries from your remote control to avoid possible damage from battery leakage and corrosion. Do not leave the remote in an extremely hot or humid place.

REMOTE CONTROL FUNCTIONS



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1. OPERATE button

Turns the unit on or switches the unit to Standby mode.

2. OPEN/CLOSE button

Opens or closes the disc tray.

3. TITLE button

Displays the title menu on the TV screen.

4. DISPLAY button

During playback of a disc, displays the current playing status on TV screen or changes the playing time display mode of the disc, title, track etc.on the OSD. Otherwise displays setup menu on the TV screen.

5. MENU button

Displays the DVD root menu on screen.

6. ZOOM button

Zooms the picture by 2x, 3x, 4x, 1/2, 1/3, 1/4 while playing DVD/VIDEO CD.

7. RETURN button

Returns to root menu to the main page in setup menu, or resumes playback from root menu..

8. Arrow buttons

Moves to the items or settings.

9. SELECT button

Executes the items or settings.

10. PLAY/PAUSE button

Plays/pauses the disc. For any DVD title that has a root menu with still picture, this button functions as **SELECT** button (selects highlighted item) on the root menu. Otherwise the disc will prohibit "play/pause" button function, and **"⃠"** symbol will appear.

11. STOP button

Stops playing disc.

12. SKIP/FRAME button

Press to go to the next chapter or track, or to go back to the preceding chapter or track during playback and next/ previous frame during pause.

13. SLOW/SEARCH button

Press to adjust the forward and reverse playback speed x2, x4, x8, x16 and x32 times during playback (rapid advance/reverse) and 1/2, 1/4, 1/8, 1/16 times during pause (Slow motion).

14. SUBTITLE button

Changes the subtitle language while playing a DVD.

15. AUDIO button

Changes the audio language while playing a DVD.

NOTE:

This function is not applicable for Audio CD and Video CD.

16. ANGLE button

Changes the angles when playing a DVD.

17. SEARCH MODE button

Press to select the unit for search (title, chapter, track, time etc.)

18. PROGRAM button

Press to enter the program menu in stop mode for MP3 CD and Audio CD.

19. REPEAT button

Press to execute disc/title/chapter repeat.

20. A - B button

Press to execute the A – B repeat play.

21. TIME button

Changes the play time display mode of the disc, title, track, on the OSD and front panel display.

22. Number buttons

Use number buttons to enter track/chapter/title/time/ etc…numbers directly.

C button

Using this button you can delete the misstyped entries or you can cancel some functions.

+10 button

Using this button you can enter the numbers greater than 9.

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DVD PLAYBACK

Preparations

• Press on the OPERATE button of your audio system if the player has been connected to an audio system and turn on your TV.

Basic Play

1. Press the OPERATE button

2. Press OPEN/CLOSE to open the disc tray.

3. Place a disc onto the tray

Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4. Press OPEN/CLOSE.

• The disc tray is automatically closed and play commences.

• A menu may appear on the TV screen after a few moments or the film may start immediately after the introduction of the movie Company. This behaviour depends on the disc content and may change.

NOTE:

Step 5 is available only when a menu is shown after the disc is inserted.

Press ◄ ► ▼ ▲ or the number button(s) to select the preferred menu item.

5. Press SELECT

Play of the selected items now starts. The played item may be a movie, a still picture or another submenu depending on the disc.

NOTE:

When using menus the disc data content controls the behaviour of the player.

Stopping play and returning to the menu screen (when a menu is available on the disc)

Press **MENU** or **TITLE** button depending on the disc. Play is suspended, and the Disc menu screen is displayed.

After operation

When the unit is not in use, remove the disc and press the OPERATE button to turn off the unit.

NOTE:

• The disc continues to rotate while the menu is displayed even after the player has finished playing a particular item. When no further selections are to be played, be sure to press the STOP button to clear the menu display.

• If the disc is placed upside down (and it is a single sided disc), the VFD display on the player will indicate NO DISC.

For your reference:

• If an action corresponding to a button is prohibited the "⃠" symbol appears.

Stopping Play

Press stop twice.

For your convenience:

• When **STOP** is pressed once, while the play continues, the unit records the point where the play is stopped and if the **PLAY** key is pressed, playback resumes from the point where the **STOP** key was pressed. When the tray is opened or the **STOP** is pressed again, the RESUME function will be cleared.

• To stop the play permanently, press **STOP** twice. When the **STOP** button is pressed for the first time, a message "PRESS PLAY TO CONTINUE" will appear on the screen to remind you if you want to continue the play. To stop the play, press the **STOP** button again or you can press **SELECT** or **PLAY** to continue.

Some discs, however may not let you to continue from the point you have stopped. In such case, you will not see warning **"PRESS PLAY TO CONTINUE"** on the screen at the time you **STOP** the playback. In this case after pressing **PLAY** button disc will start playback from the beginning.

Rapid Advance / Rapid Reverse

Press SLOW/SEARCH (⏪ Fast reverse or ⏩ Fast forward) on the remote control during play.

• Normal play is resumed when the **SELECT** button is pressed or **PLAY/PAUSE** button is pressed twice.

• The speed of advance (⏩ 2x, ⏩ 4x, ⏩ 8x, ⏩ 16x, ⏩ 32x) or reverse (⏪ 2x, ⏪ 4x, ⏪ 8x, ⏪ 16x, ⏪ 32x) changes for every press of the ⏩ or ⏪ button.

Skipping Ahead or Back to Chapters

Skipping ahead

Press SKIP/ FRAME ⏭ (Next) on the remote control or SKIP ⏭ on the main unit during play.

A chapter is skipped forward each time the button is pressed.

Skipping back

Press SKIP/ FRAME ⏮ (Previous) on the remote control or SKIP ⏮ on the main unit during play.

When the button is pressed once midway through a chapter, play returns to the previous chapter.

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Still Picture (PAUSE)

Press PLAY/PAUSE once during play.

The action freezes.

To return to normal play press PLAY/PAUSE again.

Frame Advance (STEP FORWARD)

Press PLAY/PAUSE once during play.

The action freezes.

Press SKIP/ FRAME (Next) on the remote control or SKIP on the main unit.

The next frame of the movie is displayed.

You can press SKIP/ FRAME (Next) for the following frames.

Frame Back (STEP BACKWARD)

Press PLAY/PAUSE once during play.

The action freezes.

Press SKIP/ FRAME (Previous) on the remote control or SKIP on the main unit.

The previous frame of the movie is displayed.

You can press SKIP/ FRAME (Previous) for the preceding frames.

Slow- motion Play Forward

Press PLAY/PAUSE once during play.

The action freezes.

Press SLOW/SEARCH on the remote control.

The unit starts playing the movie at four

different speeds (1/2, 1/4, 1/8, 1/16).

You can increase or decrease the speed of the slow-motion play by pressing SLOW/SEARCH .

The speed of slow motion play is displayed on the screen each time you change it.

To return normal play press PLAY/PAUSE.

Slow- motion Play Backward

Press PLAY/PAUSE once during play.

The action freezes.

Press SLOW/SEARCH on the remote control.

The unit starts playing the movie at four different speeds (1/2, 1/4, 1/8, 1/16).

You can increase or decrease the speed of the slow-motion play by pressing SLOW/SEARCH .

The speed of slow motion play is displayed on the screen each time you change it.

To return normal play press PLAY/PAUSE.

NOTE:

• The forward and backward slow-motion operations are not recursive. The sequence for the slow-motion is as follows:

(1/16, 1/8, 1/4, 1/2, PAUSE, 1/2, 1/4, 1/8, 1/16)

Direct Selection of Scenes

Selecting Scenes by Chapter Number

Press SEARCH MODE on the remote control once during playback.

The chapter/title search box is displayed on the screen. You can see the currently playing and total number of chapters on right hand side of the display bar as — / xx.

Enter the number of the chapter using number buttons.

The selected chapter is played just after you enter the chapter number.

For your convenience:

• If the chapter number you entered is between 0 and 9, player will automatically jump to the related chapter. To enter a chapter number which is more than 1 digit, press **+10 KEY** and then enter the chapter number.

• You can clear the field by pressing the **C** button if you enter wrong number.

• If you attempt to enter a number greater than the total number of chapters on the current title, the search box disappears and "" message is displayed on screen.

• If you wait five seconds without pressing any key for selecting scenes by chapter number, the operation is cancelled.

Selecting Scenes by Title Number

Press SEARCH MODE on the remote control once during playback.

The chapter/title search box is displayed on the screen. You can see the currently playing and total number of titles in left hand side of the display bar as / xx.

Press ◂ (Left) or ▸ (Right) button on the remote control to select the title field in the search box to change the title.

You can see the currently playing title and total title numbers on the top-left side of the display as — / xx.

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Enter the number of the title using number buttons.

The selected title is played just after you enter the title number.

For your convenience:

• Enter the title number between 0 and 9, your request will be acknowledged immediately without pressing any other key. To select a title number which is more than 1 digit, press **+10 KEY** and then enter the title number.

• You can clear the field by pressing the **C** button if you enter wrong number.

• If you attempt to enter a number greater than the total number of titles, the search box disappears, **"**⃠" message appears.

• If you wait five seconds without pressing any key for selecting scenes by title number, the operation is cancelled.

• You can press **RETURN** key to cancel title search.

Selecting Scenes by Time

You can view the DVD starting from any time point you want.

Press SEARCH MODE on the remote control " twice " during playback.

The time search box is displayed on the screen You can see the total runtime of the title on right side of the display bar as Title xx/xx Time: — : — : —

Enter the time using number buttons.

The title is played beginning from the desired time just after you enter the time. If not prohibited by the DVD.

Press SEARCH MODE on the remote control " third time " during playback.

The time search box is displayed on the screen. You can see the total runtime of the Chapter on right side of the display bar as Chapter xx/xx Time: — : — : —

Enter the time using number buttons.

The Chapter is played beginning from the desired time just after you enter the time. If not prohibited by the DVD.

For your convenience:

• You can clear the fields by pressing the **C** button if you enter wrong numbers.

• If you attempt to enter a number greater than the total time of the current title, the time search box disappears, **"**⃠" message is displayed on screen.

• If you wait five seconds without pressing any key to enter time, selecting scenes by time option is cancelled.

• You can press **RETURN** key to cancel time search.

Repeat Play

Repeat Viewing

Press REPEAT during play.

Each time this button is pressed, a different repeat box is displayed on the screen.

• If "↻ CHAPTER" is displayed, the current chapter will be played again.

• If "↻ TITLE" is displayed, the current title will be played again.

• If "↻ ALL" is displayed, all titles and chapters will be played again.

NOTE:

• Repeat play may be prohibited by some DVD titles.

• Once the REPEAT function ("ALL" repeat and "CHAPTER" repeat) is set, the unit will remain in repeat mode until another button is pressed.

Repeating sections between two specific points. (A-B repeat)

Press A-B during play at the point where repeat play is to commence (A).

"↻ A " is displayed.

Press A-B again at the point where repeat play is to be concluded (B).

"↻ AB " is displayed and the repeat play of the selection between points A and B starts, if not prohibited by the DVD.

To return to normal play

Press **A-B** again.

Convenient Functions

Displaying the time information

Press DISPLAY during PLAY.

During playback, each time this button is pressed, some information is displayed on TV screen to indicate the current status of the disc. On the display screen you can find the following information lines:

Line 1: Title & Chapter Numbers

Line 2: Audio Format, Number of Output Channels & Audio Language

Line 3: Subtitle Language Number & Subtitle Language

Line 4: Time Counter Mode & Time Counter

You can also reach this information screen by pressing **TIME** key.

Time counter modes can be selected by pressing **TIME** key consecutively.

First hit to **TIME** key: Line 4 -> TITLE ELAPSED Mode

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Second hit to **TIME** key: Line 4 -> TITLE REMAIN Mode

Third hit to **TIME** key: Line 4 -> CHAPTER ELAPSED Mode

Fourth hit to **TIME** key: Line 4 -> CHAPTER REMAIN Mode

• If "Time Display: TITLE ELAPSED" is displayed, the elapsed time for the title is being displayed.

• If "Time Display: TITLE REMAIN" is displayed the remaining time for the title is being displayed.

• If "Time Display: CHAPTER ELAPSED" is displayed, the elapsed time for the chapter is being displayed.

• If "Time Display: CHAPTER REMAIN" is displayed, the remaining time for the chapter is being displayed.

Pressing the **TIME** key for the fifth time closes display menu screen. "DISPLAY OFF" is displayed.

Displaying a scene with a larger and closer view

The 'zoom in' function enables you to take a closer look at the scene you are viewing that is especially a considerate function when you are seeing science fiction or adventure movie.

Press ZOOM during play.

"2x" is displayed on the screen and the picture is now larger. By pressing **ZOOM** key consecutively you can reach "3x", "4x", "1/2x" , "1/3x" , "1/4x" modes.

NOTE:

You can move in the picture i.e. change the zoomed location by using the ◂ **(Left)** / ▸ **(Right)** / ▾ **(Down)** / ▴ **(Up)** arrow keys.

To return to normal play

Press ZOOM again.

Displaying / Changing Subtitle Language

It is possible to change the subtitle language from the one selected at the initial settings to a different language, if available.

(This operation works only with discs on which multiple subtitle languages are recorded.)

Press SUBTITLE during play.

When no subtitles are recorded "⃠" will be displayed instead of the selected language.

Press SUBTITLE a number of times until the preferred language is selected.

When this button is pressed once, the first subtitle recorded on the disc will display. The rest of the subtitles recorded will display in sequence for every press of the **SUBTITLE** button.

NOTE:

• In some cases, the subtitle language is not changed immediately to the selected one.

For your convenience:

• When the preferred language is not selected even after pressing the button several times, it means that the language is not available on the disc.

• When the player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.

• If a language is selected, which is not supported by the disc, the subtitle language will automatically be set to the disc's priority language.

• Usually a circulation will happen while switching to another language, that is you can cancel the subtitle by pressing this button a number of times until "Subtitle Off " appears on the screen.

Changing Audio Soundtrack Language

It is possible to change the audio language from the one selected at the initial settings to a different language, if available.

(This operation works only with discs on which multiple audio soundtrack languages are recorded, if not prohibited by the DVD.)

Press AUDIO during play.

Press AUDIO a number of times until the preferred language is selected.

For your convenience:

• When the preferred language is not selected even after pressing the button several times, it means that the language is not available on the disc.

• When the power is turned on or the disc is removed, the language heard is the one selected at the initial settings. If this language is not recorded on the disc, only the available language on the disc will be heard.

Viewing From Another Angle

Some DVD discs may contain scenes, which have been shot simultaneously from a number of different angles. For these discs, the same scenes can be viewed from each of these different angles using the ANGLE button.

The number of recorded angles differs depending on the disc used.

"**y/x** " is displayed shortly on the screen during playback. This indicates that the multi-angle scene has just started. Also on unit's display 'ANGLE' message appears. From that moment on, the **y**th angle of total **x** angles is played and you can change the viewing angle until the end of the multi-angle scene.

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NOTE:

• In **SETUP** menu, an 'ANGLE MARK' option exists, which, if enabled, will display a continuous angle mark on the screen as long as multi-angle scene is available.

Press ANGLE during play.

The current angle is changed.

Press ANGLE a number of times until the preferred viewing angle is selected.

NOTE:

• This function will only work on discs where different angles have been recorded.

• The viewing angles are shown on the screen. You can select one from them for viewing.

• If you press ANGLE outside of a multi-angle scene on a multi-angle title, you will see that " " is displayed. This means that there are total **x** angles on that title and the **y**th angle has been selected to be played, when the multi-angle scene starts. " " means that there is only one angle currently available.

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USING A DVD MENU

Some DVD discs have unique menu structures called DVD menus. For example, DVDs programmed with complex contents provide guide menus, and those recorded with various languages provide menus for audio and subtitle language. Although the DVD menus' contents and operation differ from disc to disc, the following explains basic operation when this feature is used.

Press TITLE or MENU on the remote control on your unit during play.

The DVD menu available on the disc is now displayed.

NOTE:

• If you press MENU, the root menu of DVD is displayed.

• If you press TITLE, the menu of the current title is displayed.

Press ◄ ► ▼ ▲ to select the preferred item.

Press SELECT

The selected item is now executed.

For your convenience:

• You can also use **number** keys to select a DVD menu item. The player will automatically execute the item. To enter an item number which is more than 1 digit, press **+10** key and then enter the item number.

NOTE:

• Some DVDs may not contain root and/or title menus.

• To resume the playback, select PLAY item in DVD menu.

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VIDEO CD PLAYBACK

Preparations

• Press on the power button of your audio system if the player has been connected to an audio system.

Basic Play

1. Press the OPERATE button

2. Press OPEN/CLOSE to open the disc tray.

3. Place a disc onto the tray

Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4. Press OPEN/CLOSE.

• **For Video CDs without playback control**:

The disc tray is closed and play commences

• **For Video CDs provided with playback control**:

A menu screen will appear on the screen after a few moments.

Menu Play

• This function works only with video CDs with playback control (version 2.0)

Follow the instructions on the menu screen for interactive operations.

• The details differ depending on the disc concerned. Also refer to the instructions accompanying the disc.

After steps 1 to 4 above the menus are displayed on the TV screen

5. Press the number button(s) to select the preferred item.

The player now starts to play the selected item.

NOTE:

• Use **+10** button to enter two-digit-numbers.

• ◀ ▶ ▼ ▲ arrow buttons are not used for selecting items for video CDs.

What is playback control?

If a video CD has “playback control“ written on the jacket of disc, it means that particular scenes or information can be selected for viewing interactive with TV screen using the menu screen.

NOTE:

• **TITLE** button is dedicated to PBC “playback control” during VCD playback. You can change PBC mode with **TITLE** button.

• For using Repeat Modes you need to switch off PBC manually.

• If you use Search mode PBC automatically switches to OFF.

• PBC ON is default. Whenever you open the tray it will be ON.

When the menu continues onto another screen

After step 4, press **SKIP NEXT** ⏭.

• To return to the previous menu screen press **SKIP PREV** ⏮

Stopping play and returning to the menu screen (when a menu is available on the disc)

Press **STOP**. Play is suspended, and the disc menu screen is displayed.

After operation

When the unit is not in use, remove the disc and press OPERATE to turn off the unit.

NOTE:

• The disc continues to rotate while the menu is displayed even after the player has finished playing a particular item. When no further selections are to be played, be sure to press the STOP button to clear the menu display.

• If the disc is placed upside down (and it is a single sided disc), the VFD display on the player will indicate NO DISC.

For your reference:

• When “⃠“ symbol appears while a button is being operated on up-left corner of OSD, it means that the player prohibits the corresponding operation.

Stopping Play

Press stop twice.

For your convenience:

• When **STOP** is pressed once, while the play continues, the unit records the point where the play stopped and if the **PLAY** key is pressed, play resumes from the point where **STOP** key was pressed. Press **PLAY / PAUSE** again, and play will resume from this point. When the tray is opened or the **STOP** is pressed again, the resume function will be cleared.

• To stop the play permanently, press **STOP** twice. When the **STOP** button is pressed for the first time, a message “PRESS PLAY TO CONTINUE” will appear on the screen to remind you if you want to continue the play. To stop the play, press the **STOP** button again or you can press **PLAY/ PAUSE** to continue.

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Rapid Advance / Rapid Reverse

Press SLOW/SEARCH (◀◀ Fast reverse or ▶▶ Fast forward) on the remote control during play.

• Normal play is resumed when the **PLAY/PAUSE** button is pressed.

• The speed of advance (▶▶ 2x, ▶▶ 4x, ▶▶ 8x, ▶▶ 16x, ▶▶ 32x) or reverse (◀◀ 2x, ◀◀ 4x, ◀◀ 8x, ◀◀ 16x, ◀◀ 32x) changes for every press of the ▶▶ or ◀◀ button.

NOTE:

No sound will be heard during Rapid advance or Rapid reverse.

Skipping Ahead or Back to Chapters

Skipping ahead

Press SKIP/ FRAME ▶▶| (Next) on the remote control or SKIP ▶▶| on the main unit during play.

A track is skipped each time the button is pressed.

Skipping back

Press SKIP/ FRAME |◀◀ (Previous) on the remote control or SKIP |◀◀ on the main unit during play.

When the button is pressed once midway through a track, play returns to the start of previous track. When it is pressed again, a track is skipped.

Still Picture (PAUSE)

Press PLAY/PAUSE once during play.

The action freezes.

To return to normal play press PLAY/PAUSE again.

Frame Advance (STEP)

Press PLAY/PAUSE once during play.

The action freezes.

Press SKIP/ FRAME ▶▶| (Next) on the remote control or SKIP ▶▶| on the main unit.

The next frame of the movie is displayed.

You can press SKIP/ FRAME ▶▶| (Next) for the following frames.

NOTE:

Reverse stepping is not available.

Slow- motion Play

Press PLAY/PAUSE once during play.

The action freezes.

Press SLOW/SEARCH ▶▶ on the remote control.

You can increase or decrease the speed of the slow-motion play by pressing SLOW/SEARCH ▶▶. There are 4 slow motion modes as ▶ 1/16, ▶ 1/8, ▶ 1/4, ▶ 1/2.

The speed of slow motion play is displayed on the screen each time you change it.

To return normal play press PLAY/PAUSE again.

NOTE:

Reverse slow motion play is not available.

Direct Selection of Scenes

Selecting Scenes by Time

You can view the video CD, starting from any time point you want.

Press SEARCH MODE on the remote control once time during playback.

The time search box is displayed on the screen as DISC GOTO:_: _ _ : _ _

Player goes to entered time of the disc.

Press SEARCH MODE on the remote control two times during playback.

The time search box is displayed on the screen as TRACK GOTO:_: _ _ : _ _

Player goes to entered time of the current track.

Press SEARCH MODE on the remote control three times during playback.

The time search box is displayed on the screen as SELECT TRACK :_ _ / _ _

Player goes to entered track of the disc.

Enter the time using number buttons.

The title is played beginning from the desired time just after you enter the time.

For your convenience:

• If you attempt to enter a number greater than the total time of the current title, the time search box disappears and "⃠" message appears on up-left corner of screen.

• If you give up entering the time simply press RETURN button, and the operation is cancelled.

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Accessing tracks using number buttons:

You can play any track you want, just by pressing the corresponding number button.

For the track numbers which are greater than "9" use +10 button. Press this button once and then type the two digit track number.

If you attempt to enter a number greater than the total number of tracks on disc, "⃠" message is displayed on the screen.

Repeat Play

Repeat Viewing

Press REPEAT during play.

Each time this button is pressed, a different repeat box is displayed on the screen.

• If "↻ ALL" is displayed, the whole disc will be played again.

• If "↻ TRACK" is displayed, the current track will be played again.

NOTE:

Once the REPEAT function is set, the unit will remain in repeat mode until another button is pressed.

Repeating sections between two specific points. (A –B repeat)

Press A-B during play at the point where repeat play is to commence (A).

"↻ A" is displayed on screen.

Press A-B again at the point where repeat play is to be concluded (B).

"↻ AB" is displayed and the repeat-play of the selection between points A and B starts.

To return to normal play

Press **A-B** again. A-B Repeat is disabled.

Convenient Functions

Displaying the time information

Press TIME during play.

Each time this button is pressed, a different time information box is displayed on the screen.

• If "Single elapsed" is displayed, the VFD display on the unit shows the elapsed time for the title which is being played

• If "Single remain" is displayed, the VFD display on the unit shows the remaining time for the title which is being played.

• If "Total Elapsed" is displayed, the elapsed time for the disc is being displayed.

• If "Total remain" is displayed the remaining time for the disc is being displayed.

Pressing the TIME key for the fifth time closes display menu screen. "DISPLAY OFF" is diplayed.

Displaying a scene with a larger and closer view

This 'zoom-in' function enables you to take a closer look at the scene you are viewing. This is especially a considerate function when you are watching science fiction or adventure movie.

Press ZOOM during play.

"Zoom On" is displayed on the screen and the picture is now larger. You can change the zooming ratio by pressing ZOOM button more

than once. There are 2, 3, 4, 1/2, 1/3 and 1/4 zoom modes.

NOTE:

You can move in the picture ie, change the zoomed location by using the ◄ ► ▼ ▲ arrow keys. This is valid for zoom-in only.

To return to normal play

After zoom ratio is 1/4x, press ZOOM again. The picture is now in its normal size.

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AUDIO CD PLAYBACK

Preparations

• Press on the power button of your audio system if the player has been connected to an audio system.

Basic Play

1. Press the OPERATE button

2. Press OPEN/CLOSE to open the disc tray.

3. Place a disc onto the tray

Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4. Press OPEN/CLOSE.

Play is commenced.

After operation

When the unit is not in use, remove the disc and press OPERATE to turn the unit off.

NOTE:

• If the disc is placed upside down (and it is a single sided disc), the VFD display on the player will indicate NO DISC.

For your reference:

• When "⃠" symbol appears while a button is being operated, it means that the player prohibits the corresponding operation.

Stopping Play

Press stop twice.

For your convenience:

• When **STOP** is pressed once, while the play continues, the unit records the point where the play stopped and if the **PLAY** key is pressed, play resumes from the point where **STOP** key was pressed. Press **PLAY / PAUSE** again, and play will resume from this point. When the tray is opened or the **STOP** is pressed again, the RESUME function will be cleared.

• To stop the play permanently, press **STOP** twice. When the **STOP** button is pressed for the first time, a message "PRESS SELECT TO CONTINUE" will appear on the screen to remind you if you want to continue the play. To stop the play, press the **STOP** button again or you can press **PLAY/ PAUSE** to continue.

Rapid Advance / Rapid Reverse

Press SLOW/SEARCH (Fast reverse or Fast forward) on the remote control during play.

• The speed of advance (2x, 4x, 8x, 16x, 32x) or reverse (2x, 4x, 8x, 16x, 32x) changes for every press of the or button. You can also resume normal play using these buttons.

• Normal play is resumed when the SELECT button is pressed or PLAY/PAUSE button is pressed again.

NOTE:

No sound will be heard during rapid advance or rapid reverse.

Skipping Ahead or Back to Tracks

Skipping ahead

Press SKIP/ FRAME (Next) on the remote control or SKIP on the main unit during play.

A track is skipped each time the button is pressed.

Skipping back

Press SKIP/ FRAME (Previous) on the remote control or SKIP on the main unit during play.

When it is pressed again, a track is skipped.

PAUSE

Press PLAY/PAUSE once during play.

The play suspends.

To return to normal play press PLAY/PAUSE again.

Direct Selection of Tracks

Selecting by Time

You can play the audio CD starting from any time point you want.

Press SEARCH MODE on the remote control once time during playback.

The time search box is displayed on the screen as DISC GOTO:_: _ _ : _ _

Player goes to entered time of the disc.

Press SEARCH MODE on the remote control two times during playback.

The time search box is displayed on the screen as TRACK GOTO:_: _ _ : _ _

Player goes to entered time of the current track.

Press SEARCH MODE on the remote control three times during playback.

The time search box is displayed on the screen as SELECT TRACK :_ _ / _ _

Player goes to entered track of the disc.

Enter the time using number buttons.

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The track is played beginning from the desired time just after you enter the time.

For your convenience:

• If you attempt to enter a number greater than the total time of the current track, the time search box disappears and "⃠" symbol is displayed.

• If you give up entering the time simply press RETURN button, and the operation is cancelled.

Accessing tracks using number buttons

You can play any track you want, just by pressing the corresponding number button.

For the track numbers which are greater than "9" use +10 button. Press this button once and then type the two-digit track number.

If you attempt to enter a number greater than the total number of tracks on disc, "⃠" symbol is displayed on screen.

Repeat Play

Press REPEAT during play.

Each time this button is pressed, a different repeat box is displayed on the screen.

• If **"↻"** TRACK" is displayed, the current track will be played again.

• If **"↻"** ALL" is displayed, the whole disc will be played again.

• If "SCAN" is displayed, first 12 seconds of all tracks on the disc are played sequentially.

• If "RANDOM" is displayed, tracks on the disc are played randomly and continously.

NOTE:

• If the play list is active, the playlist is repeated instead of the whole disc in "Repeat All" case.

• Once the REPEAT function is set, the unit will remain in repeat mode until another button is pressed.

Repeating sections between two specific points (A –B repeat).

Press A-B during play at the point where repeat play is to commence (A).

"↻ A" is displayed.

Press A-B again at the point where repeat play is to be concluded (B).

"↻ AB" is displayed and the repeat-play of the selection between points A and B starts.

To return to normal play

Press **A-B** again. A-B Repeat is disabled.

Convenient Functions

Displaying the time information

Press TIME during play.

Each time this button is pressed, an information box is displayed on TV screen to indicate the status of the time displayed on the VFD display.

• If "Time Display: Single elapsed" is displayed, the VFD display on the unit shows the elapsed time for the track which is being played.

• If "Time Display: Single remain" is displayed, the VFD display on the unit shows the remaining time for the track which is being played.

• If "Time Display: Total elapsed" is displayed, the VFD display on the unit shows the elapsed time for the disc which is being played.

• If "Time Display: Total remain" is displayed, the VFD display on the unit shows the remaining time for the disc which is being played.

• If "Time Display off" is displayed, OSD messages on screen are cleared.

Program Function

Press PROGRAM to select program mode

Program list appears.

Enter numbers of tracks that you want to add to program list.

Select "NEXT" to go to the next program page.

Select "PREV" to go to the previous program page.

Select "START" to start program mode.

Screen is cleared and files in the program list are played sequentially.

Press PROGRAM to see the program list.

Select "STOP" to stop program mode.

Select "EXIT" to stop program mode.

For your convenience:

• You can remove the last track of the playlist by pressing the **C** button.

• You can clear screen when the program list is displayed on screen by pressing PROGRAM button.

• The program remains even after the Program Play ends

• The program is cancelled when:

- The disc tray is opened or closed

- The power is turned off.

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CD MENU

To see the directory structure(menu) of JPEG/MP3 CDs you should set CD MENU option to WITH MENU in setup page.

If CD MENU option is set to NO MENU, MP3 or JPEG content is automatically played without displaying menu.

Basic Play

1. Press the OPERATE button

2. Press OPEN/CLOSE to open the disc tray

3. Place a CD-R disc onto the tray

Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4. Press OPEN/CLOSE to close the disc tray

DISC LOADING message appears on screen. Please wait for a moment.

CD MENU appears. Directories are on the left part and files in the selected directory are on the right part.

5. Press UP/DOWN to select files

In the stop mode or while playing MP3 the user can navigate in the current directory.

6. Press SELECT,LEFT,RIGHT to switch between directories & files

On the right part:

Press LEFT to switch to directories.

On the left part :

Press RIGHT to switch to files. Selected directory content is displayed on the left after reading directory.

NOTE:

you can use ⏭ and ⏮ buttons for page up / down in file list.

7. Press SELECT on a file to play

MP3 File :

Selected MP3 starts to play.

Elapsed or Remaining Time is displayed according to DISPLAY Mode.

JPEG File :

Selected JPEG is displayed in full screen.

Slide Show starts automatically.

PAUSE

Press PLAY/PAUSE once during play.

The play suspends. PAUSE message appears on screen.

To return to normal play press PLAY/PAUSE again.

Stopping Play

Press STOP

The play is stopped.

Rapid Advance / Rapid Reverse

Only for MP3 :

Press ⏪ / ⏩ during play to decrease/increase play speed.

⏪ 32x, ⏪16x, ⏪ 8x, ⏪ 4x, ⏪ 2x, PLAY, ⏩ 2x, ⏩ 4x, ⏩ 8x, ⏩ 16x, ⏩ 32x are the play speed modes.

Skipping Ahead or Back to Tracks

Press ⏮ / ⏭ during play to jump to the previous/ next file.

Next file in the current directory will be played.

Image transformation

Only for JPEG :

Press PLAY to start slide show

There are four modes of transformation:

- Invert
- Mirror
- Left
- Right

These operations are allowed only when a picture is being displayed normally, and will be cancelled automatically when a new picture is displayed. The arrow keys are used to select different transformation modes.

Press UP to invert/normal

Press DOWN to mirror/normal

Press LEFT to turn left

Press RIGHT to turn right

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ZOOM

Only for JPEG :

Press PLAY to start slide show

Both ZOOM in/out and Zoom pan functions are available for JPEG pictures.

Press ZOOM to turn on/off this function

When this mode is on, any picture will be displayed at the last ratio selected by the user.

A message will indicate the current ratio on screen.

If zoom mode is on,

Press ⏩ / ⏪ to control the ratio of zoom in/out.

The zoom ratios are %50 and %75 for zoom out and %100, %125, %150 and %200 for zoom in. (The order is: %50, %75, %100, %125, %150, %200)

With ZOOM mode off, a picture is scaled to fit the whole screen.

NOTE:

• During ZOOM function, slideshow transition and image transformation are disabled.

Digest Mode

Only for JPEG :

Press PLAY to start slide show

Press **STOP** button during JPEG slide show. Unit goes into digest mode. 12 pictures are displayed on screen.

Using the arrow keys select menu icon on the screen. Press select button.

Remote key Function screen appears. You can see help information for digest mode.

Program key

Each time you press program key, the transition effect is changed. You can select one of the following transition effects: Wipe top, Wipe bottom, Wipe left, Wipe right, Diagonal wipe left top, Diagonal wipe right top, Diagonal wipe left bottom, Diagonal wipe right bottom, Extend form center H, Extend from center V,

Compress to center H, Compress to center V, Window H, Window V, Wipe from edge to center, Random, None.

Press "Skip frame ⏭ (next) key".

Next 12 pictures are displayed.

Press "Skip frame ⏮ (previous) key".

Previous 12 pictures are displayed.

Press Menu key to cancel the digest mode.

Search Mode

With SEARCH MODE key you can select the files in the current folder or you can perform time search in currently playing MP3 file.

Repeat Modes

In CD MENU it is displayed at the bottom.

Display Function

Press TIME to change displayed time mode

There are two time modes :

• Single Elapsed

• Single Remain

Time is displayed only during MP3 playback.

Play Modes

1. Press **STOP.**

2. Press **RIGHT** to go to Play Modes menu.

3. Press **UP/DOWN** to change play mode.

The options available are:

REPEAT ONE:

If this option is chosen, the selected track will be repeated continuously.

REPEAT FOLDER:

If this option is chosen, the selected folder will be repeated continuously.

DISC:

When this Play mode is selected, the disc will be played once.

DISC REPEAT:

When this Play mode is selected, the disc will be played continuously.

DISC SCAN:

When this Play mode is selected, the first 12 seconds of all tracks disc will be played.

RANDOM:

When this Play mode is selected, the disc will be played randomly.

FOLDER:

When this Play mode is selected, the current folder will be played once.

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Program Function

Press PROGRAM to select program mode in stop mode

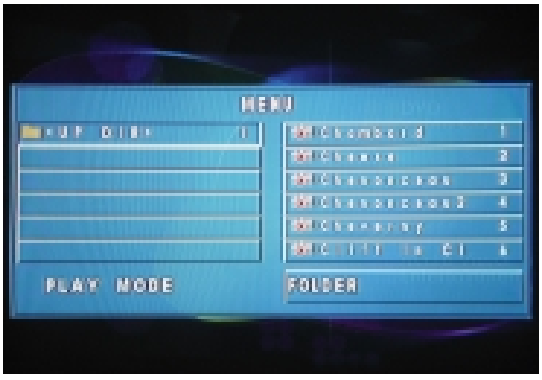
PROGRAM LIST Message appears.

Press UP/DOWN keys to select files in the disc.

Press LEFT/RIGHT to change column.

Press SELECT to add selected file into the program list.

Choose any file from the program list and use PLAY or SELECT keys to start the program.



Files in the program list are played sequentially.

If a MP3 file is played;

Press STOP.

If a JPEG file is displayed;

Press MENU.

Press PROGRAM to quit program mode.

"NORMAL MODE" message appears.

For your convenience:

• You can remove the last track of the playlist by pressing the **C** button.

• The program remains even after the Program Play ends

• The program is cancelled when:

- The disc tray is opened or closed

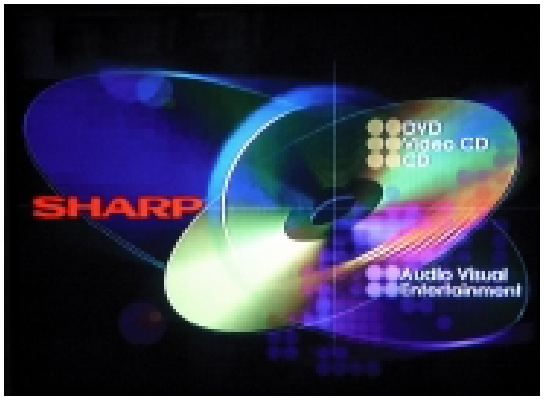
- The power is turned off.

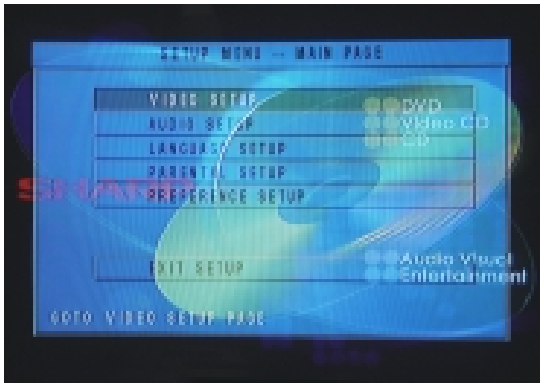
USING SETUP MENU

Press DISPLAY key on the remote control when the player is not in playback mode.

The setup menu-main page appears. This is the menu, where you can change the device's settings.

USING MAIN PAGE





Select items using ▲ / ▼ up/down arrow buttons.

When selected, the item will be highlighted.

Press SELECT to change highlighted item.

The submenu for the selected item appears on the screen.

NOTE:

• To close the setup menu, select EXIT SETUP and press SELECT, or press DISPLAY.

• In the resume mode, AUDIO SETUP and LANGUAGE SETUP can be selected in the SETUP MENU screen.

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USING SUB MENUS

Once you enter any Sub Menu,

Use ▲ / ▼ up/down arrow buttons to move the highlighted position up and down.

Use ◀ / ▶ left/right arrow buttons to switch between left and right menus.

Press SELECT to choose the highlighted option on the right menu.

NOTE:

• In any submenu, to return to main page, select MAIN PAGE and press SELECT.

• To close the setup menu, press DISPLAY.

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MENU ITEMS

VIDEO SETUP

TV DISPLAY:

The aspect ratio of the picture provided by the DVD player can be varied in line with the features available on the TV in use.

The options available are:

NORMAL / PS (4x3 Pan & Scan):

Allows you to see the movie fill the entire screen of your TV, but not the right and left edges. This type of picture can only be viewed, if it is contained on the disc.

NORMAL / LB (4x3 Letterbox):

Allows you to see movies in their original aspect ratio. You will see the entire frame of the movie, but it will occupy a smaller portion of the screen.

WIDE (Wide screen 16x9):

Choose this setting if your DVD player is connected to a wide-screen TV.

Please Note:

Depending on the format of the DVD disc. (eg. 2.35:1) the picture may still have black lines above and below this picture.

TV TYPE:

The video standart of the DVD player output can be selected from “MULTI” or “PAL”.

If “MULTI” is selected, the output standart will be either NTSC or PAL depending on the DVD being played.

If “PAL” is selected, the video output will be converted to PAL standard irrespective of disc standard.

NOTE:

When an NTSC disc is played, it is possible that some subtitles will be distorted. If this happens please change TV TYPE to “MULTI”.

VIDEO OUTPUT:

The Video output of the DVD player can be selected as ‘S-VIDEO’ or ‘RGB’.

If ‘S-VIDEO’ is selected, RGB output via scart will be disabled, only CVBS will be active via scart. ‘S-VIDEO’ output will be active via MiniDIN connector. After switching to S-VIDEO, TV should be switched to S-VIDEO input with TV remote control. If ‘S-VIDEO’ is selected in order to disable RGB via scart and user prefers to watch CVBS via scart, TV should be switched to scart input with TV remote control.

If ‘RGB’ is selected, S-VIDEO output will be disabled. Scart output will be CVBS+RGB. This is the factory setting of the DVD player.

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AUDIO SETUP

Note: It is not possible to connect speakers directly to this DVD player; an AV amplifier must be used.

DOWNMIX:

This mode allows the DVD player analogue audio outputs to be matched to the features available on the TV in use. Analog audio outputs can be selected as

SURROUND: Surround sound output.

STEREO: Two channels stereo.

Use this option if you have a stereo TV or a stereo HI-FI system.

V SURR: Virtual surround encoded output.

DYNAMIC (Dynamic Range Compression):

Boosts frequency response .This item can be selected between “OFF” and “FULL”.

LPCM OUT:

This item can be selected as “96K” or “48K”.

LANGUAGE SETUP

OSD LANG:

You can select the default OSD language of the player menus.

AUDIO:

You can select the default audio language if supported by the DVD disc.

DISC MENU:

You can select the DVD’s disc menu language among these languages. Disc menu appears in the selected language, if supported by the DVD disc.

SUBTITLE:

You can select the default subtitle language if supported by the DVD disc.

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PARENTAL SETUP

Playing some DVDs can be limited depending on the age of users. The “Parental Control” function allows playback limitation level to be set by the parent.

PARENTAL (Parental Level):

Parental Level can be adjusted to one of the eight levels. Level “8 ADULT” adjustment let you watch all of the DVD titles ignoring the DVD disc’s parental level. You can watch the DVD discs, which has the same or lower parental level than the player’s level only.

PASSWORD:

Password to change the parental level can be set by using this option. Factory preset of the password is “0000”

You have to enter XXXX digital password every time you want to change the parental level.

Change Password:

Using this item you can change the current password.

To change the password you will be prompted to enter your old password. After you have entered your old password, you can now enter the new 4-digit password.

Entering the new password once is not enough, it should also be confirmed. Confirm pwd box is for confirming new password.

Press select to move to confirm password box.

• You can use **C** key to delete the incorrect entry.

NOTE:

If you forget the password see page 38.

PREFERENCES SETUP

ANGLE MARK:

This option allows you to turn on /off the angle mark on the screen, which is displayed to indicate that a multi angle scene has started. It also shows which angle you are currently watching.

STANDBY TIME:

Standby activation feature can be disabled or Standby activation time can be adjusted using this option. If one of the time options is selected, Standby is activated, whenever no key is pressed for the selected time duration in stop mode.

CD MENU

This option allows you to enable or disable the CD MENU which is used for playing MP3 or JPEG CDs.

DEFAULT:

If you choose **RESET** and press **SELECT**, the factory-presets are loaded. Parental level and parental password does not change.

TRANSPARENCY:

Using this option one of four transparency levels can be selected for the on screen display.

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TROUBLESHOOTING

The picture quality is poor (DVD)

- Make sure the DVD disc surface is not damaged. (Scratch, fingerprint etc.)
- Clean the DVD disc and try again.
- Ensure that the DVD disc is in the drawer with the label uppermost.
- A damp DVD disc or condensation may effect the equipment. Wait for 1 to 2 hours in Stand-by to dry the equipment.

Disc does not play

- No disc in the machine.
  -Place a disc onto the tray.
- Disc incorrectly loaded.
  -Ensure that the DVD disc is in the drawer with the label uppermost.
- Wrong type of disc. The machine cannot play CD-ROMS etc.
  -Use disc in supported formats described on page 4.
- The region code of the DVD must match the one of the player.

Wrong OSD language

- Select the language in the set-up menu.

The language for the sound or subtitles on a DVD cannot be changed.

- Multilingual sound and/or subtitles not recorded on the DVD.
- Try to change the sound or subtitles using DVD's title menu. Some DVD's do not allow the user to change these settings without using the disc's menu.

Some functions (Angle, Zoom etc) do not work

- These functions are not available on the DVD.
- Angle can only be changed when the angle symbol is displayed.

No picture

- Check that the player is connected to TV properly and that all connections between the DVD player and other attached equipment are secure.
- Have you pressed the correct buttons on the remote control? Try once more.

No sound

- Check the volume is set to an audible level.
- Make sure you have not switched the sound off accidentally.

Distorted sound

- Check that the appropriate listening mode setting is correct.

No response from remote control

- Check batteries are fitted correctly.
- Change the batteries.

If nothing works

If you have tried the above solutions and none seem to work,try switching your DVD off and on again.If you still encounter operational problems,unplug AC-cord and wait for a few minutes to reset the player completely. If all these actions are unsuccessful,contact your supplier or DVD repair technician. **Never attempt to repair a defective DVD yourself.**

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SPECIFICATIONS

DVD/VCD/S-VCD/CD-R/CD-RW/MP3/JPEG/Audio CD player,

Power Requirements	220 - 240 V 50 Hz Auto Adjustable Power consumption: 11 W (POWER ON), < 3 W (STANDBY mode)
Types of Discs Supported	DVD: SS/SL 120mm (DVD-5) SS/DL 120mm (DVD-9) DS/SL 120mm (DVD-10) DS/DL 120mm (DVD-18) VCD S-VCD CD-R CD-RW MP-3 JPEG Audio CD
Video Type	MPEG-2 Video Standard Decoding (MPEG-1 supported) Full-Screen Video Display of 720 x 576 (PAL) & 720 x 480 (NTSC) pixel 50 and 60 Hz frame refresh rates (PAL & NTSC) Digital bit-stream processing rate up to 10.08Mbits/sec Line resolution more than 500 lines
Video Output	Analog Video: (With using 6 x 10-bits / 27MHz video DACs) CVBS : PAL / NTSC (Negative synchronised), 1Vpp [75 Ω(loaded)] S-VIDEO : Y Output:1Vpp [75 Ω(loaded)], C Output :286 mVpp [75 Ω(loaded)] (NTSC) 300 mVpp [75 Ω(loaded)] (PAL) Through 4-pin MiniDIN S-VIDEO connector or RGB + CVBS : Through Full Euroscart Output (Pin-8 Control)
Audio Type	Dolby Digital out and Downmix LPCM DTS Digital out
Audio Output	Digital Audio Outputs: IEC 958 TOSLINK Analog Outputs: 24 Bit/ 96, 48, 44.1kHz down-sampling DAC 2 RCA jack outputs (Left / Right) Left / Right audio outputs of Full Euroscart Output / Channel: 2 Vrms (0 dB fs, 1kHz)
Dimensions	420 mm(W) x 54 mm(H) x 280 mm(D)

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DEFINITION OF TERMS

Angle

Recorded onto some DVD discs are scenes, which have been simultaneously shot from a number off different angles (the same scene is shot from the front, from the left side, from the right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

Chapter Number

These numbers are recorded on DVD discs. A title is subdivided into many sections, each of which are numbered, and specific parts of video presentations can be searched quickly using these numbers.

DTS

This is a digital sound system developed by Digital Theater Systems for use in cinemas.This system uses 6 audio channels and provides accurate sound field positioning and realistic acoustics. (By connecting a DTS Digital Surround decoder, you can also listen to DTS Digital Surround sound.)

DVD

This refers to a high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG II) and high-density recording technology. DVD enables aesthetically pleasing full-motion video to be recorded over long periods of time (for instance, a whole movie can be recorded).

Playback Control

This is recorded on a Video CD (Version 2.0). The scenes or information to be viewed (or listened to) can be selected interactively with the TV monitor by looking at the menu shown on the TV monitor.

Subtitles

These are printed lines appearing at the bottom of the screen, which translate or transcribe the dialogue. They are recorded on the DVD discs.

Time Number

This indicates the playtime, which has elapsed from the start of a disc or a title. It can be used to find a specific scene quickly. (Not all discs permit the time search feature to be used. Availability is determined by the disc's manufacturer.)

Title Number

These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

Track Number

These numbers are assigned to the tracks, which are recorded on AudioCDs. They enable specific tracks to be located quickly.

Video CD

This contains recordings of pictures and sound whose quality is on a par with that of videotape. This player also supports Video CDs with playback control (Version 2.0).

Dolby Digital

Many movie theatres are equipped with 5.1 channel surround systems. This same type of technology is available to you in your home. To enjoy full 5.1-channel surround, your DVD player must be connected to an external Dolby Digital decoder via the digital outputs (either coaxial or optical).

Dolby Pro Logic

This is Dolby Laboratories' technology to decode Dolby Surround encoded programs actively. Dolby Surround programs have four channels of audio (Left, Center, Right and Surround) encoded into a standard 2-channel stereo signal. The rear channel is monaural.

PCM

PCM stands for Pulse Code Modulation and is digital audio.

MPEG

Short for Moving Picture Experts Group. This is an international standard for compression of moving images. On some DVDs digital audio has been compressed and recorded in this format.

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Cut this information box out and keep in a safe place.

If You Forget The Password:

Press 1, 3, 6, 9.
Password will be cleared.

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Printed in Turkey
9JB50052010
04P05-TVV

Printed on 100% post-consumer recycled paper.

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